

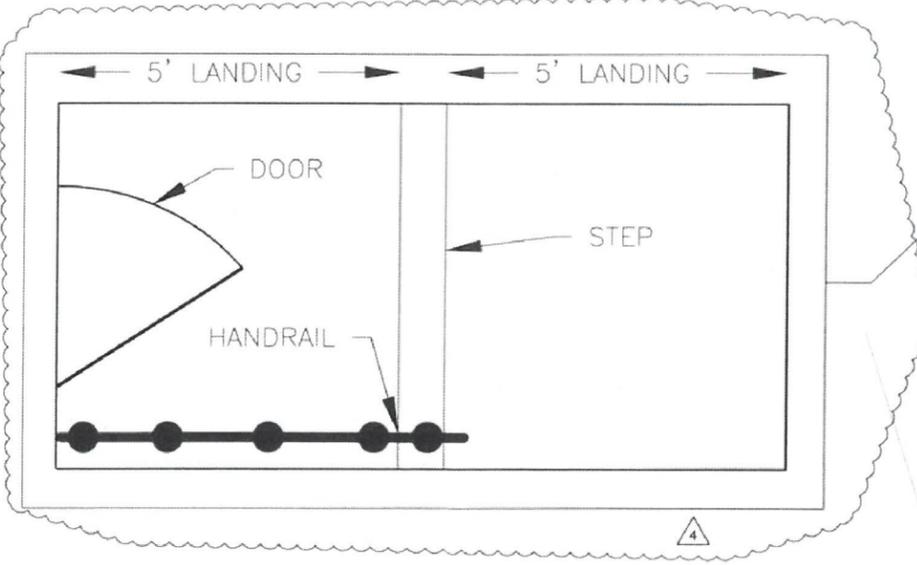
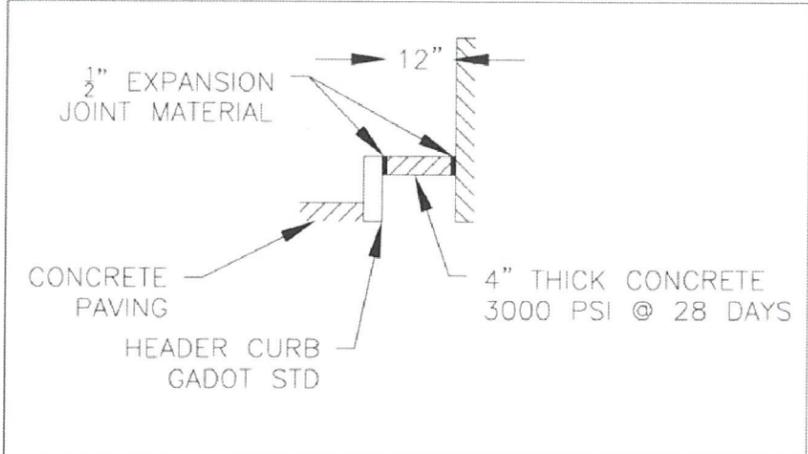
PAVING LEGEND



SITE DATA

AREA: 0.77 ACRES
 PID: 17038100450
 DISTURBED AREA:
 SITE: 0.77
 R/W: 0.05
 OFFSITE: 0.02
 TOTAL: 0.84

IMPERVIOUS AREA: 0.50 ACRES
 PERCENTAGE COVERED: 65%
 PARKING DATA 10 SPACES INCLUDING ONE (1) VAN ACCESSIBLE HANDICAP SPACE



CROY ENGINEERING
 Engineers Planners Surveyors
 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 415
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

SMYRNA FIRE STATION NO. 2
 642 CONCORD ROAD, PARCEL 17038100450
 LAND LOT(S) 381
 OF THE 17th DISTRICT, 2nd SECTION
 CITY OF SMYRNA, COBB COUNTY, GEORGIA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE
4	ADDENDUM #2	03/05/21
3	ADDENDUM NOTE	02/24/17
1	ISSUE DATE	02/08/17

SEAL

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. 3544
 CARL CARROLL
 3-6-17
 GSWCC CERT #2973

SHEET TITLE
SITE PLAN

DRAWN BY: BCB
 CHECKED BY: LCC
 SCALE: 1"=20'
 ISSUE DATE: 01/06/17

PROJECT NUMBER: 1469.23
 DRAWING NUMBER: **C-400**
 SHEET 5 of 21

NO.	REVISION REFERENCE	DATE
4	ADDENDUM #2	03/06/17
	BID SET DATE	02/03/17

SEAL

GEORGIA REGISTERED PROFESSIONAL ENGINEER
CARL CARL

3-6-17

GSWCC CERT #2973

SHEET TITLE
CONSTRUCTION
DETAILS

DRAWN BY
BCB

CHECKED BY
LCC

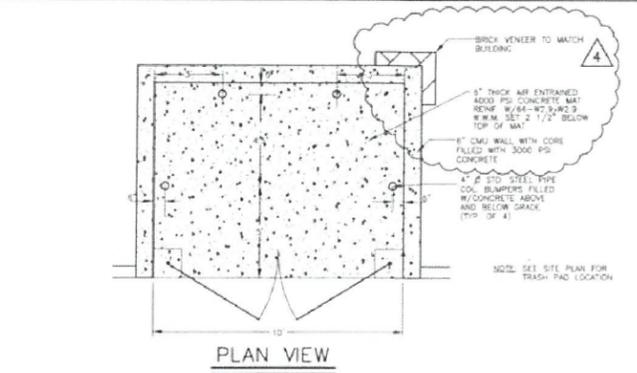
SCALE
1" = #'

ISSUE DATE
01/06/17

PROJECT NUMBER
1469.23

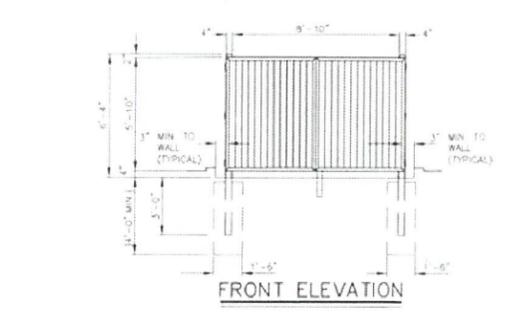
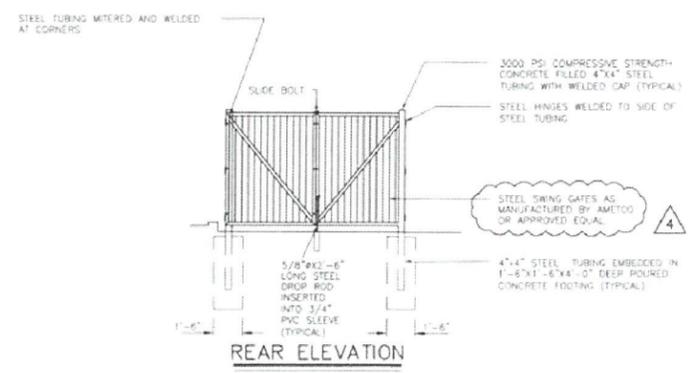
DRAWING NUMBER
C-904

SHEET 14 of 21



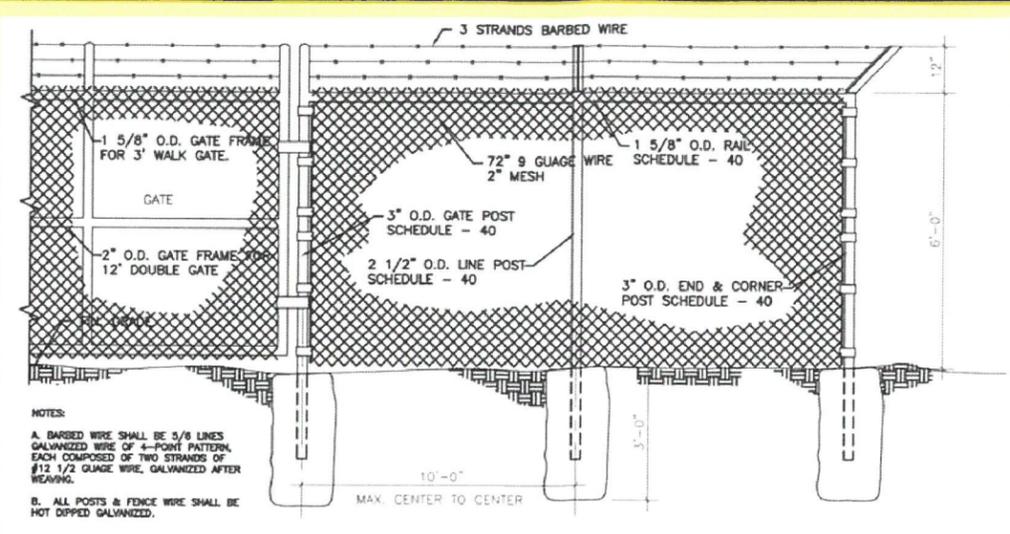
TRASH PAD ENCLOSURE DETAIL

N.T.S.



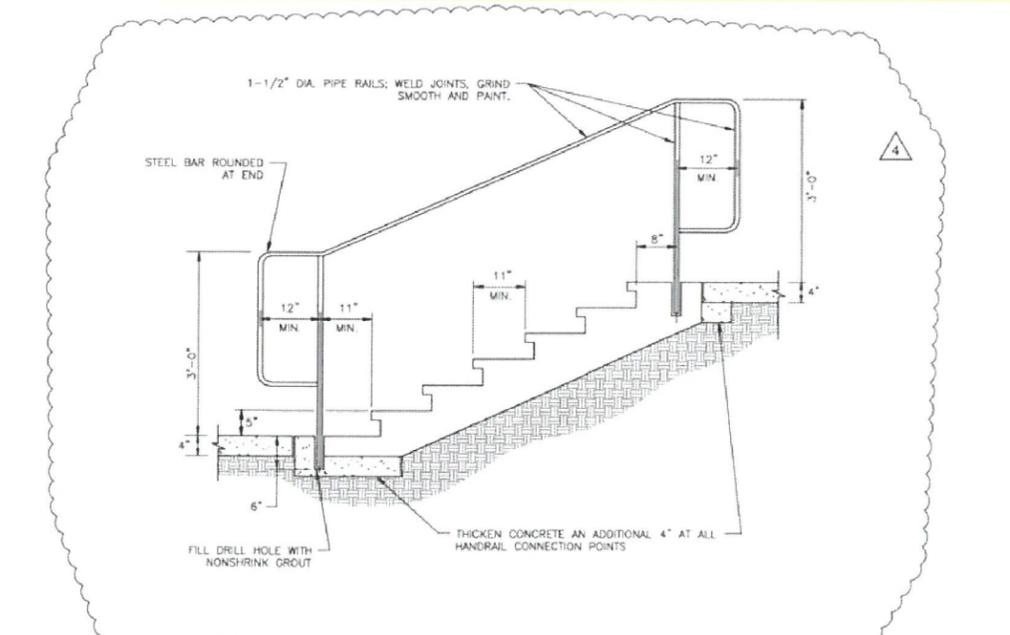
ALUMINUM GATE DETAIL

N.T.S.



CHAIN LINK FENCE DETAIL

NOT TO SCALE



STAIRS AND HANDRAIL DETAIL

N.T.S.

SIZE OF BIORETENTION AREA

(PER GA STORMWATER MANAGEMENT MANUAL)

$$A_t = (WQ_v) (d_f) / [(k) (H_f + d_f) (t_f)]$$

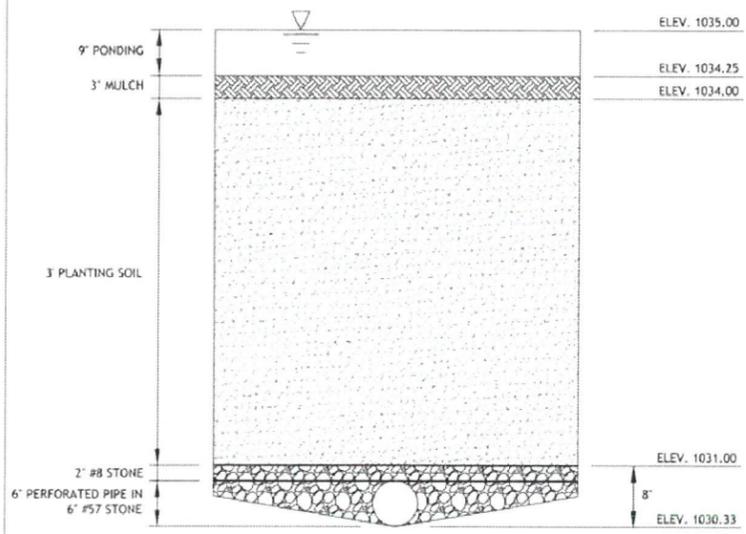
WHERE:

- A_t = surface area of ponding area (ft²)
- WQ_v = water quality volume (or total volume to be captured)
- d_f = filter bed depth (3 feet minimum)
- k = coefficient of permeability of filter media (ft/day) (use 1ft/day for engineered planting media)
- H_f = average height of water above filter bed (ft) (half of the 9-inch ponding depth)
- t_f = design filter bed drain time (days) (1.0 days or 24 hours is recommended maximum)

Filter Bed shall be designed by a Soils Engineer to meet required design $k + t_f$ above.

$$A_t = 1540 \text{ cf} \times 3 \text{ ft} / [1 \text{ ft/day} (0.375 \text{ ft} + 3 \text{ ft}) (1 \text{ days})] = 1369 \text{ sf}$$

Filter Area Provided = 1383 sf (as shown on grading plan)



BIORETENTION AREA SECTION

PROPOSED SOIL MIX FOR PLANTING SOIL:

CLAY	10%
COMPOST	15%
SILT	30%
SAND	45%

Filter Bed shall be designed by a Soils Engineer to meet required design $k + t$ as also stated above and shall be in accordance with Appendix F, Section F.4.2, Planting Soil Characteristics

- CONTRACTOR TO SUBMIT FOR APPROVAL SOILS ANALYSIS FOR MATERIAL TO BE FURNISHED FOR SOIL FILTER MEDIA.
- CONTRACTOR TO SUBMIT FOR APPROVAL A PLANTING PLAN SPECIFYING ALL BIO PLANTS, SPECIES, QUANTITY, AND LOCATION PER GEORGIA STORMWATER MANUAL, 2016 EDITION.